

# Calibration Report: Pyrometer (Infrared Radiation Thermometer) S/N: 1415

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Hampton, Virginia

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## Summary

Calibration date: 2020 July 29

A calibration of Pyrometer data (also known as an Infrared Radiation Thermometer or IRT), has been completed. The calibration was performed 2020 July 29 by Wintronics, Inc. located in Millington, NJ.

### Instrument Specifications:

Manufacturer: Heitronics

Model: KT19.85

Serial Number: 1415

Lens Type: K6

The instrument is “out of tolerance”. The reference has shifted in this unit which has caused a shift in the readings. Since this instrument will primarily be used measuring negative values to approximately 30C, a compensation value of -0.8C will need to be applied to all measurements post processing.

The following pages provide more detail into the calibration process and results.

Application: We use Campbell Scientific (CS) datalogger hardware and Loggernet CS software.

**Wintronics, Inc.**  
50 Division Ave, Suite 1  
Millington, NJ 07946  
Phone: (908) 647-0144 Fax: (908) 647-8379

### Certificate of Calibration

Certificate No.: **J0143886**

Manufacturer: **Heitronics** Description: **Infrared Thermometer**  
Model No: **KT19.85** Serial No: **1415**

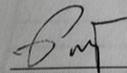
Customer: NASA Langley Research Center Customer PO: CC  
C/O SSAI Customer Asset No:  
One Enterprise Parkway  
Hampton, VA 23666  
Temperature (C): 23 Technician: PLW  
Humidity (%): 40 Date Cal: 29-Jul-2020  
Procedure: W60985, Rev 2 Date Due: 29-Jul-2021

The manufacturer's specifications of the above instrument have been confirmed by comparison to standards which are regularly calibrated using accepted values of natural physical constants, ratio type self-calibrating techniques, comparison to standards which are traceable to NIST or other NMI, or compared to consensus standards. Wintronics' Quality System is accredited to ISO/IEC 17025:2017.

As received condition: Limited Calibration (see datasheet)  
As shipped condition: Limited Calibration (see datasheet)  
Type of Calibration: Limited Cal (see datasheet)

#### Calibration Standards

Manufacturer	Model	Description	Asset #	Calibration Date	Date Due	Cert. No.
Heitronics	TRT3.82	Transfer Infrared Pyrometer	W185	22-Jun-2020	30-Jun-2021	J0143182

  
Certified By **Peter Winter**  
**President**

Issue Date: 10-Aug-2020

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This certification includes this certificate page and attached data pages and refer specifically to the item listed.  
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